City of Bolivar	r Annual AOC	Report Summa	ıry										
			Ĺ										
2012													
Bypasses = 9	Bypasses = 9			SSOs = 11 that	NOV								
Date	Precip	Duration	Gallons	Date	Precip	Duration	Gallons	Location					
3/20/2012	3.3"	79 hr	12.8 MG	3/21/2012		30 min	1500 gal	D6-MH-106	Letter of war	ning May 2	012 Ammoi	nia	
4/14/2012	4.10"	71.5 hr	11.2 MG	4/14/2012	4.10"	4 hr	66000 gal	J4-MH-120 near WWTP					
4/29/2012	1.31"	10.5 hr	1.73 MG	4/28/2012		8 min	10000 gal	LS 5					
4/30/2012	3.88"	12 hr 13 min	10.57 MG	4/30/2012	2.43"	1 min	1 gal	LS 5					
9/1/2012	2.5"	14.75 hr	1.3 MG	4/30/2012	1.6"	7.5 hr	65500 gal	J4-MH-120 near WWTP					
9/7/2012	1.98"	15 hr	1.58 MG	5/1/2012	0.91"	3 hr	18000 gal	J4-MH-120 near WWTP					
9/14/2012	2.28"	47 hr	4.894 MG	5/9/2012		7 hr	2000 gal	H5-MH-073					
10/13/2012	1.35"	9 hr	1.063 MG	8/21/2012		31 min	600 gal	1402 S. Killingsworth					
12/4/2012	1.75"	5 hr	0.698 MG	9/22/2012		Unk	Unk	J4-MH-125					
				10/15/2012		50 min	180 gal	F6-MH-220					
				11/14/2012		2 hr 3 min		F3-MH-235					
2011*													
Bypasses = 12	2			SSOs = 10 that	reached W	aters of U.S.	Tota	SSOs = 13	NOV				
Date	Precip	Duration	Gallons	Date	Precip	Duration	Gallons	Location					
2/14/2011	snow melt	3 days	9.8 MG	2/25/2011	1.39"	6 hours	81,000	J4-MH-120 near WWTP	March 2011	Ammonia a	nd BOD		
3/2/2011	1.39"	6 days	18.5 MG	3/8/2011	1.32"	10 hours	78,000	J4-MH-120 near WWTP	June 2011 An	nmonia and	d BOD		
3/8/2011	2"	10 days	28 MG	3/16/2011		45 min	200	G4-MH-005 S Missouri	May 2011 An	nmonia			
3/19/2011	2.35"	4 days	11.3 MG	3/20/2011	1.74"	2 hours	7,200	J4-MH-090 near WWTP					
3/26/2011	0.95"	1 day	4.4 MG	3/20/2011	1.74"	2 hours	22,500	J4-MH-120 near WWTP					
4/21/2011		9 days	35.3 MG	4/25/2011	1.35"	18 hours	,	J4-MH-120 near WWTP					
5/12/2011		0.5 days	99,000 gal	9/27/2011		2 hours	2,400	G5-MH-375 S Main					
5/19/2011	1.3"	1 day	180,000 gal	10/7/2011		45 min	700	G5-MH-375 S Main					
5/19/2011	1	12 days	34 MG	12/20/2011	1.8"	4 hours	6,750	F5-MH-095 S Lillian					
8/8/2011	2.6"	1 day	3 MG	12/20/2011	1.8"	4 hours	6,750	F5-MH-090 S Lillian					
11/8/2011	2.5"	1 day	3 MG										
12/19/2011	1.8"	2 days	4.9 MG										

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2040*													
2010*					ļ								
Bypasses = 8 + 3				SSOs = 14 + 2	that reached	d Waters of	U.S. Total	SSOs = 19 + 2	NOV none				
Date	Precip	Duration	Gallons	Date	Precip	Duration	Gallons	Location	Letter of War	ning July 20	010 Ammonia	9	
1/21/2010	0.56"	1 day	2.8 MG	1/20/2010		15 min	3000	G5-MH-085 College & MO	Letter of War	ning Octob	er 2010 Amn	nonia	
1/24/2010	1.1"	2 days	6.6 MG	2/21/2010	1.18	3 hours	30,000	J4-MH-120 near WWTP					
2/21/2010	1.2"	2.5 days	8.1 MG	3/22/2010	1.67	2 hours	12,000	J4-MH-120 near WWTP					
3/20/2010	3.04"	8 days	27.6 MG	3/25/2010	1.11	7 hours	63,000	J4-MH-120 near WWTP					
4/2/2010	0.73"	6.5 days	13.8 MG	5/13/2010	1.24	45 min	10,000	J4-MH-120 near WWTP					
5/13/2010	4.71"	6 days	26 MG	5/14/2010	2.86	10 hours	60,000	F5-025 W Broadway					
5/19/2010	1.82"	4 days	19.4 MG	5/14/2010	2.86	5.25 hours	12,600	F5-040 W Broadway					
5/25/2010	1.5"	1 day	2.4 MG	5/14/2010	2.86	11.5 hours	24,150	G4-005 S Missouri					
7/16/2010	3.0"	13 hours	2 MG	5/14/2010	2.86	8.75 hours	13,125	J4-090 near WWTP					
9/1/2010	4.8"	1 day	4.0 MG	5/14/2010	2.86	22 hours	276,000	J4-120 near WWTP					
9/15/2010	1.6"	1.5 days	5.9 MG	5/20/2010	1.82	1.5 hours	1,800	G4-005 S Missouri					
				5/21/2010	0.71	16 hours	96,000	J4-120 near WWTP					
				5/21/2010	0.71	10 hours	18,000	G4-005 S Missouri					1
				6/4/2010		72 hours	15,000	Lift station #4					
				7/16/2010	3	3 hours	36,000	J4-MH-120 near WWTP					
				9/1/2010	4.8	5 hours	45,000	J4-MH-120 near WWTP					

Sypasses = 4 + 6 folion misscunt by City SSOs = 4 + 27 that reached waters of U.S. Total SSOs = 8 + 30 NOV May 2009 Ammonia	1			1	1		1				1		
Sypasses = 4 + 6 (one miscount by City) SSOs = 4 + 27 that reached Waters of U.S. Total SSOs = 8 + 30 NOV May 2009 Ammonia										-			
Date Precip Duration Gallons Date Precip Duration Gallons Location Section Section					ļ								
9/21/2009 2.6" 17.5 hours 3.3 MG 10/8/2009 5" 27 hours 16,200 G4-MH-005 S Missouri	,·		, ,,	- "						NOV May 2009	Ammonia		
10/8/2009 S"		<u> </u>				•							
10/30/2009 1.32" 3.5 days 12.8 MG 10/8/2009 5" 1 hour 20,000 14-090 near WWTP	-, ,												
11/15/2009 1.15"			,										
10 1.5" 10 10 1.7 10 1.7 10 1.7 10 1.7 10 1.5" 1.5" 10 1.5" 10 1.5"								-,					
3/28/2009 1.25" 1 day 3.0 MG 2/11/2009 1.5" 4 hours 60,000 J4-MH-120 near WWTP			,		- ' '			,					
A/18/2009 1.56" 3 days													
S/I/2009 3.3" 3.3 days 14.2 MG 3/28/2009 1.23" 2.5 hours 40,000 I4-MH-120 near WWTP		+											
5/8/2009 2.9" 3 days 11.3 MG 4/19/2009 1.56" 5 hours 80,000 J4-MH-120 near WWTP 9 4.8 MG 4/30/2009 - .5 hours 50 429 \$ Springfield 9 9 1 hours 100,000 J4-MH-120 near WWTP 9 9 9 9 9 9 hours 100,000 J4-MH-120 near WWTP 9 9 9 </td <td></td> <td>1</td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>-,</td> <td></td> <td></td> <td></td> <td></td> <td></td>		1		_				-,					
6/16/2009 2.29" 1 day 4.8 MG 4/30/20095 hours 50 429 \$ Springfield			3.3 days	14.2 MG	3/28/2009	1.23"	2.5 hours	40,000	J4-MH-120 near WWTP				
5/1/2009 3.18" 12 hours 85,000 J4-MH-120 near WWTP 5/8/2009 2.9" 13 hours 100,000 J4-090 near WWTP 5/8/2009 2.9" 13 hours 100,000 J4-MH-120 near WWTP 5/8/2009 2.9" 30 hours 93,000 F5-95 S Lillian 5/8/2009 2.9" 8 hours 19,200 F5-940 W Broadway 5/8/2009 2.9" 8 hours 14,400 F5-010 W Broadway 5/8/2009 2.9" 30 hours 5/8/2009 2.9" 30 hours 55,800 F5-100 S Lillian 5/8/2009 2.9" 30 hours 55,800 F5-105 S Albany 5/8/2009 2.9" 30 hours 55,800 F5-105 S Albany 5/8/2009 2.9" 25 hours 15,000 F5-175 S Missouri 5/8/2009 2.9" 15 min 300 Lift Station 2 5/8/2009 2.9" 15 min 300 Lift Station 3 5/8/2009 2.9" 15 min 300 Lift Station 3 5/8/2009 183" 10 hours 22,000 F5-MH-185 W Jefferson 6/10/2009 1.83" 10 hours 22,000 G4-MH-005 S Missouri 6/16/2009 2.29" 8 hours 13,000 J4-MH-120 near WWTP 5/16/2009 2.29" 2.5 hours 6,000 J4-MN-090 near WWTP 5/16/2009 2.29" 6 hours 3,600 G4-MH-005 S Missouri 5/16/2009 2.29" 5/16/2009 2.29" 6 hours 3,600 G4-MH-005 S Missouri 5/16/2009 2.29"	5/8/2009	2.9"	3 days	11.3 MG	4/19/2009	1.56"	5 hours	80,000	J4-MH-120 near WWTP				
S/8/2009 2.9" 13 hours 100,000 J4-090 near WWTP	6/16/2009	2.29"	1 day	4.8 MG	4/30/2009		.5 hours	50	429 S Springfield				
5/8/2009 2.9" 13 hours 100,000 J4-MH-120 near WWTP					5/1/2009	3.18"	12 hours	85,000	J4-MH-120 near WWTP				
S/8/2009 2.9" 30 hours 93,000 F5-95 S Lillian							13 hours	100,000	J4-090 near WWTP				
5/8/2009 2.9" 8 hours 19,200 F5-040 W Broadway 9 5/8/2009 2.9" 8 hours 14,400 F5-010 W Broadway 9 5/8/2009 2.9" 1 hour 1,500 G5-175 S Albany 9 5/8/2009 2.9" 30 hours 55,800 F5-100 S Lillian 9 5/8/2009 2.9" 25 hours 15,000 F5-175 S Missouri 9 5/8/2009 2.9" 1 hour 10,000 Lift Station 2 9 5/8/2009 2.9" 15 min 300 Lift Station 3 9 6/10/2009 1.83" 10 hours 22,000 F5-MH-185 W Jefferson 9 6/10/2009 1.83" 10 hours 22,000 G4-MH-005 S Missouri 9 6/16/2009 2.29" 8 hours 130,000 J4-MH-120 near WWTP 9 6/16/2009 2.29" 2.5 hours 60,000 J4-MN-090 near WWTP 9 6/16/2009 2.29" 6 hours 3,600 G4-MH-005 S Missouri 9					5/8/2009	2.9"	13 hours	100,000	J4-MH-120 near WWTP				
5/8/2009 2.9" 8 hours 14,400 F5-010 W Broadway 9 5/8/2009 2.9" 1 hour 1,500 G5-175 S Albany 10 5/8/2009 2.9" 30 hours 55,800 F5-100 S Lillian 10 5/8/2009 2.9" 25 hours 15,000 F5-175 S Missouri 15 5/8/2009 2.9" 1 hour 10,000 Lift Station 2 10 5/8/2009 2.9" 15 min 300 Lift Station 3 10 6/10/2009 1.83" 10 hours 22,000 F5-MH-185 W Jefferson 10 6/10/2009 1.83" 10 hours 22,000 G4-MH-005 S Missouri 10 6/16/2009 2.29" 8 hours 130,000 J4-MH-120 near WWTP 10 6/16/2009 2.29" 2.5 hours 60,000 J4-MN-090 near WWTP 10 6/16/2009 2.29" 6 hours 3,600 G4-MH-005 S Missouri 10					5/8/2009	2.9"	30 hours	93,000	F5-95 S Lillian				
5/8/2009 2.9" 1 hour 1,500 G5-175 S Albany 5/8/2009 2.9" 30 hours 55,800 F5-100 S Lillian 5/8/2009 2.9" 25 hours 15,000 F5-175 S Missouri 5/8/2009 2.9" 1 hour 10,000 Lift Station 2 5/8/2009 2.9" 15 min 300 Lift Station 3 6/10/2009 1.83" 10 hours 22,000 F5-MH-185 W Jefferson 6/10/2009 1.83" 10 hours 22,000 G4-MH-005 S Missouri 6/16/2009 2.29" 8 hours 130,000 J4-MH-120 near WWTP 6/16/2009 2.29" 2.5 hours 60,000 J4-MN-090 near WWTP 6/16/2009 2.29" 6 hours 3,600 G4-MH-005 S Missouri					5/8/2009	2.9"	8 hours	19,200	F5-040 W Broadway				
5/8/2009 2.9" 30 hours 55,800 F5-100 S Lillian 5/8/2009 2.9" 25 hours 15,000 F5-175 S Missouri 5/8/2009 2.9" 1 hour 10,000 Lift Station 2 5/8/2009 2.9" 15 min 300 Lift Station 3 6/10/2009 1.83" 10 hours 22,000 F5-MH-185 W Jefferson 6/10/2009 1.83" 10 hours 22,000 G4-MH-005 S Missouri 6/16/2009 2.29" 8 hours 130,000 J4-MH-120 near WWTP 6/16/2009 2.29" 2.5 hours 60,000 J4-MN-090 near WWTP 6/16/2009 2.29" 6 hours 3,600 G4-MH-005 S Missouri					5/8/2009	2.9"	8 hours	14,400	F5-010 W Broadway				
5/8/2009 2.9" 25 hours 15,000 F5-175 S Missouri 15/8/2009 15/8/2009 2.9" 1 hour 10,000 Lift Station 2 10 hours 10					5/8/2009	2.9"	1 hour	1,500	G5-175 S Albany				
5/8/2009 2.9" 1 hour 10,000 Lift Station 2 9 5/8/2009 2.9" 15 min 300 Lift Station 3 9 6/10/2009 1.83" 10 hours 22,000 F5-MH-185 W Jefferson 9 6/10/2009 1.83" 10 hours 22,000 G4-MH-005 S Missouri 9 6/16/2009 2.29" 8 hours 130,000 J4-MH-120 near WWTP 130,000 J4-MN-090 near WWTP 6/16/2009 2.29" 2.5 hours 60,000 J4-MN-090 near WWTP 6/16/2009 J4-MN-090 near WWTP					5/8/2009	2.9"	30 hours	55,800	F5-100 S Lillian				
5/8/2009 2.9" 15 min 300 Lift Station 3 6/10/2009 1.83" 10 hours 22,000 F5-MH-185 W Jefferson 6/10/2009 1.83" 10 hours 22,000 G4-MH-005 S Missouri 6/16/2009 2.29" 8 hours 130,000 J4-MH-120 near WWTP 6/16/2009 2.29" 2.5 hours 60,000 J4-MN-090 near WWTP 6/16/2009 2.29" 6 hours 3,600 G4-MH-005 S Missouri					5/8/2009	2.9"	25 hours	15,000	F5-175 S Missouri				
6/10/2009 1.83" 10 hours 22,000 F5-MH-185 W Jefferson 6/10/2009 1.83" 10 hours 22,000 G4-MH-005 S Missouri 6/16/2009 2.29" 8 hours 130,000 J4-MH-120 near WWTP 6/16/2009 2.29" 2.5 hours 60,000 J4-MN-090 near WWTP 6/16/2009 2.29" 6 hours 3,600 G4-MH-005 S Missouri					5/8/2009	2.9"	1 hour	10,000	Lift Station 2				
6/10/2009 1.83" 10 hours 22,000 G4-MH-005 S Missouri 6/16/2009 2.29" 8 hours 130,000 J4-MH-120 near WWTP 6/16/2009 2.29" 2.5 hours 60,000 J4-MN-090 near WWTP 6/16/2009 2.29" 6 hours 3,600 G4-MH-005 S Missouri					5/8/2009	2.9"	15 min	300	Lift Station 3				
6/16/2009 2.29" 8 hours 130,000 J4-MH-120 near WWTP 6/16/2009 2.29" 2.5 hours 60,000 J4-MN-090 near WWTP 6/16/2009 2.29" 6 hours 3,600 G4-MH-005 S Missouri							10 hours	22,000	F5-MH-185 W Jefferson				•
6/16/2009 2.29" 2.5 hours 60,000 J4-MN-090 near WWTP 6/16/2009 2.29" 6 hours 3,600 G4-MH-005 S Missouri					6/10/2009	1.83"	10 hours	22,000	G4-MH-005 S Missouri				-
6/16/2009 2.29" 6 hours 3,600 G4-MH-005 S Missouri					6/16/2009	2.29"	8 hours	130,000	J4-MH-120 near WWTP				
					6/16/2009	2.29"	2.5 hours	60,000	J4-MN-090 near WWTP				
					6/16/2009	2.29"	6 hours	3,600	G4-MH-005 S Missouri				
					6/16/2009	2.29"	7 hours	21,000	F5-MH-010 W Broadway				
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2000										
2008										
Bypasses = 2 + 13			SSOs = 12 tha				1	· ·	Ammonia and BOD	
Date Precip	Duration		Date			Gallons	Location		3 Ammonia and BOD	
9/3/2008 3.11"	1.5 days	4.7 MG	3/18/2008		33 hours		DF 1 S Missouri	LOW March 20		
9/13/2008 3.8"	2 days	8.6 MG	4/10/2008		4 hours	,	J4 S Albany	NOV April 2008	3 Ammonia and BOD	
1/8/2008 1.26"	1 day	4.1 MG	4/10/2008		10 hours	,	DIB 2 W Jefferson			
2/11/2008 snow	1 day	2.0 MG	4/10/2008		6 hours		I6 E Broadway			
2/16/2008 2.0"	3 days	11.1 MG	4/10/2008		6 hours		I12 W Broadway			
3/3/2008 1.6"	3 days	12.2 MG	5/23/2008	-	.5 hours		Lift Station 2			
3/18/2008 4.8"	6 days	24.1 MG	6/15/2008		1.75 hours		Lift Station 2			
3/31/2008 5.5"	14 days	44.1 MG	7/9/2008		1.5 hours		Lift Station 1			
4/24/2008 1.1"	4 days	8.2 MG	9/14/2008		45 minutes		Lift Station 1			
5/7/2008 2.4"	3 days	12.6 MG	9/14/2008	3.8	8 hours		DF1, I12, I13 Manholes			
5/15/2008 1.0"	13 hours	1.7 MG	10/30/2008		10 minutes	500	Lift Station 1			
6/2/2008 3.6"	2 days	9 MG	12/3/2008		1 hour	500	Lift Station 1			
6/9/2008 1.9"	2 days	8.1 MG								
6/13/2008 1.0"	1 day	3.8 MG								
6/28/2008 1.5"	1 days	4.6 MG								
Identified 90 I&I problems	and 45 repaire	ed but no indica	tion how they	were repaire	d.					
No information on any re-li	ning or replac	cement of sewer	lines in 2011.							
No information on any mar	nhole rehab or	r repairs in 2011								
Notes that manhole rehab	and lining plar	nned in south co	ollection basin	n 2012 but r	no idea of wh	nat or when				
Notes that capacity study o										
It appears that City of Boliv	ar is not as far	r along in its pro	gress to stop l	kl as previou	ıs reports ha	d indicated				
			<u>0 </u>							
Capacity analysis on signific	ant mains wa	s due 12/31/11	. It was not inc	luded with a	nnual repor	t. Whv?				
1						, .				
2012										
Identified 63 I&I sources an	d renaired 32	Snreadsheet i	dentifies locati	ons of repair	·c					
No relining or replacement					<u> </u>					
Construction of UV disinfed				-						
Construction of ovalsimed	ation to begin	January 2013 at	ia complete Ap	2013						
No update on status of POA	\									
Sewer infrastructure repair		roport noted a	s included was	not included	in roport					
Sewer minastructure repair	, replacement	. report noted as	s included was	iot included	штероп					
	<u> </u>									